

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070031.D
 Acq On : 11 Aug 2021 18:57
 Operator : VA/SY
 Sample : M3331-05RE
 Misc : 5.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:31:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

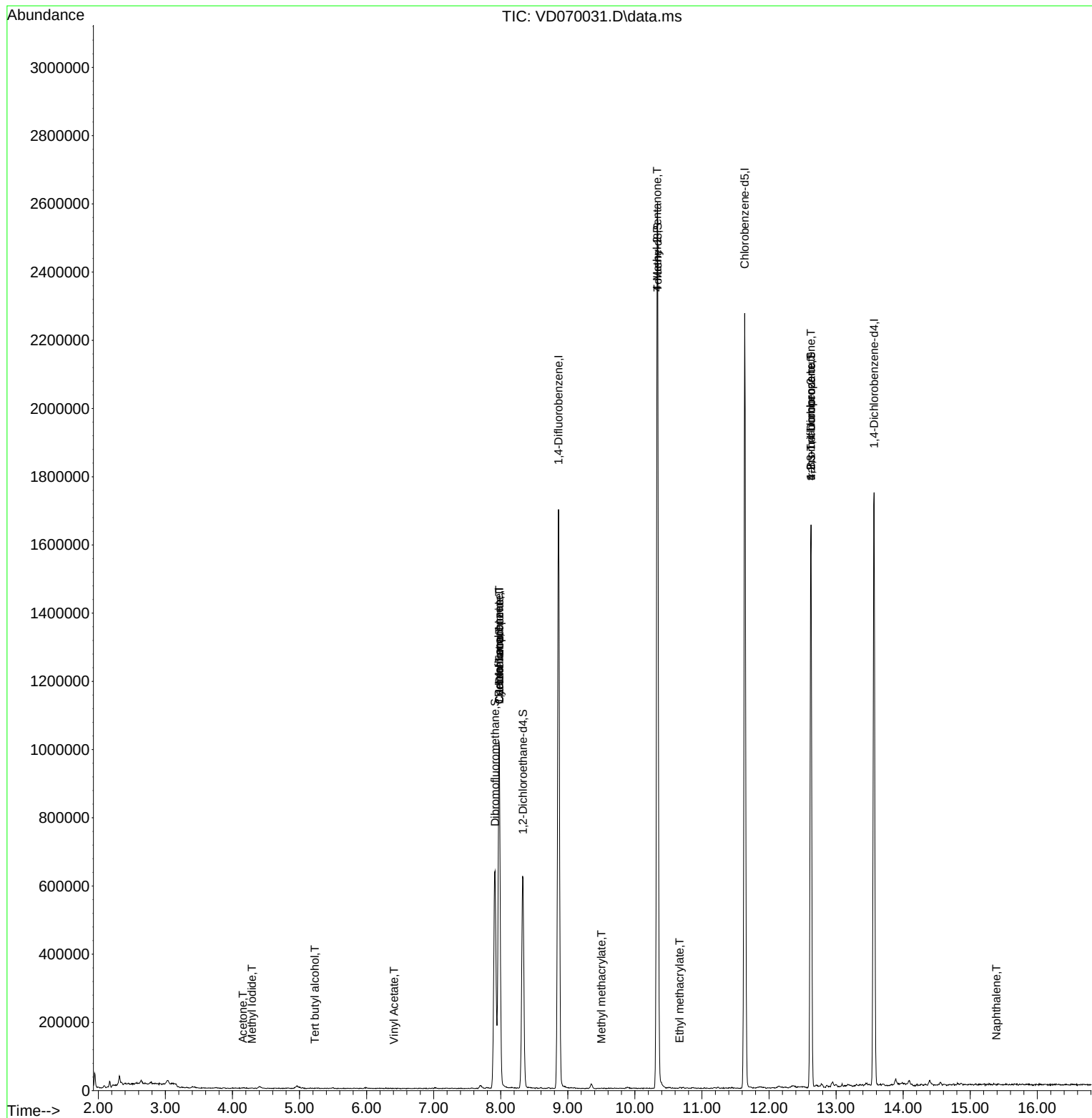
Internal Standards						
1) Pentafluorobenzene	7.973	168	708498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1448406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1309649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	477299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	495362	60.793	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.580%	
35) Dibromofluoromethane	7.914	113	485764	53.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.400%	
50) Toluene-d8	10.338	98	1828783	51.943	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.626	95	535769	45.533	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	3580	Below Cal	#	72
10) Methyl Iodide	4.291	142	1236	3.593	ug/l #	54
11) Tert butyl alcohol	5.226	59	427	1.013	ug/l #	73
16) Acetone	4.156	43	1504	1.022	ug/l	100
20) Methylene Chloride	4.950	84	3132	Below Cal	#	60
23) Vinyl Acetate	6.409	43	54	20.353	ug/l #	71
31) Cyclohexane	7.979	56	19530	1.227	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	63953	4.092	ug/l #	49
38) Carbon Tetrachloride	7.979	117	75698	5.302	ug/l #	16
48) Methyl methacrylate	9.503	41	92	2.763	ug/l #	13
51) 4-Methyl-2-Pentanone	10.332	43	7160	1.348	ug/l #	1
56) Ethyl methacrylate	10.667	69	247	3.918	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	259127	51.076	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	259127	154.952	ug/l #	16
95) Naphthalene	15.391	128	769	5.043	ug/l #	69

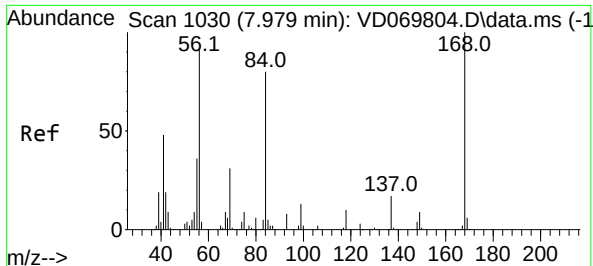
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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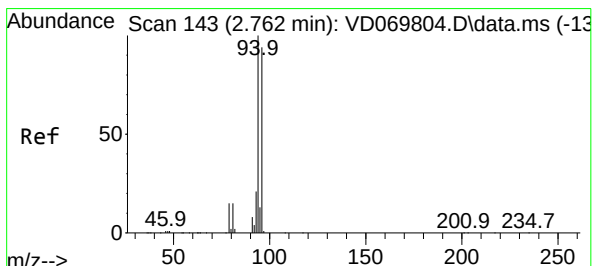
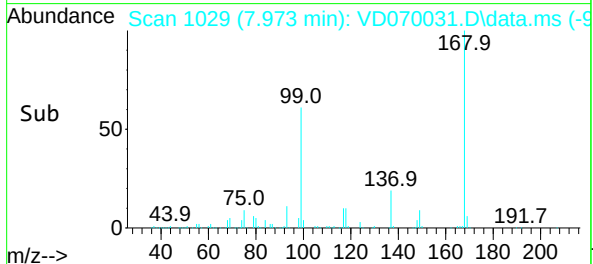
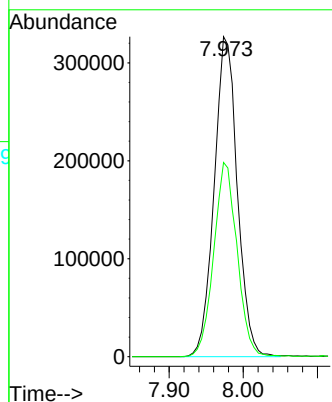
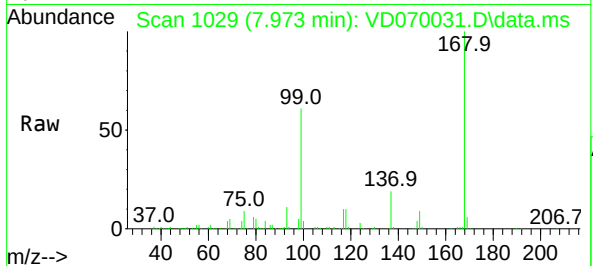




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

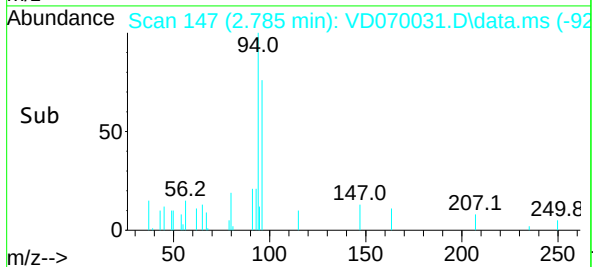
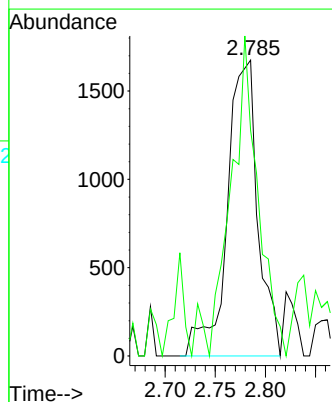
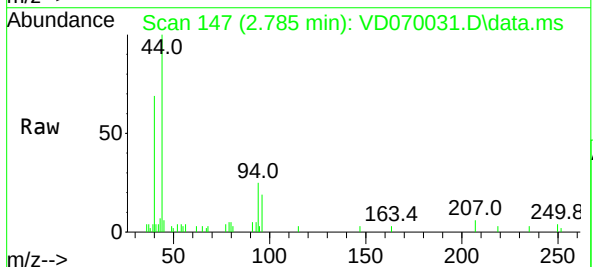
Instrument :
MSVOA_D
ClientSampleId :

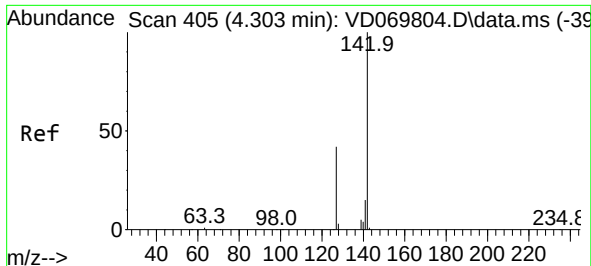
Tgt Ion:168 Resp: 708498
Ion Ratio Lower Upper
168 100
99 60.7 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 94 Resp: 3580
Ion Ratio Lower Upper
94 100
96 66.3 74.8 112.2#

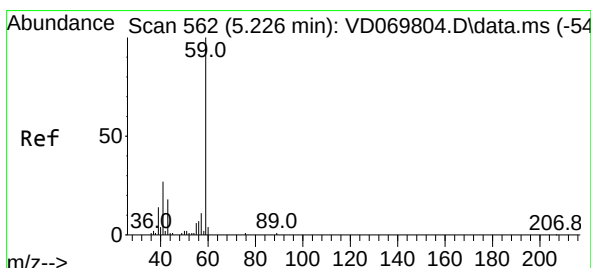
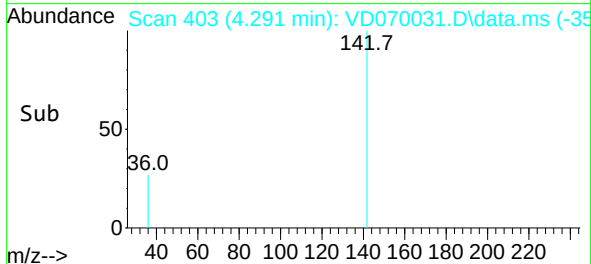
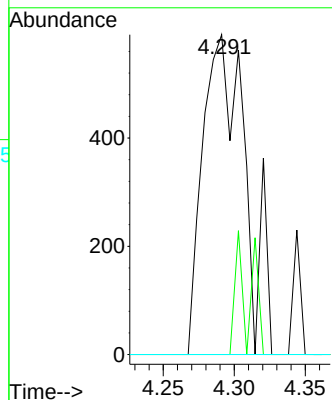
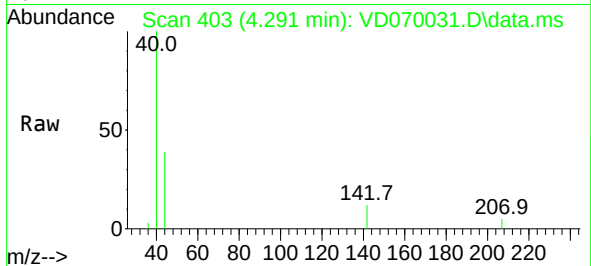




#10
Methyl Iodide
Concen: 3.593 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

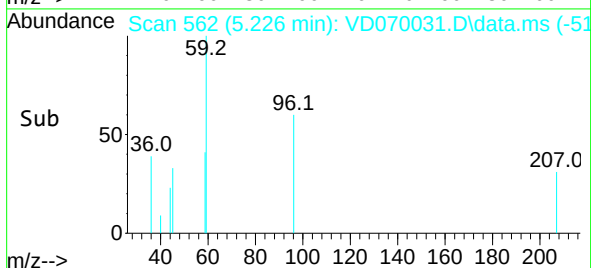
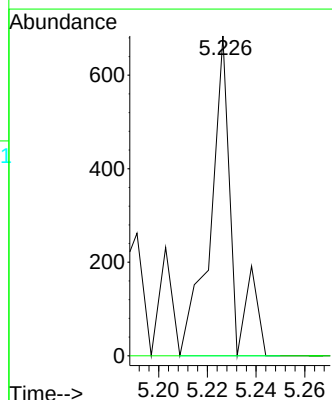
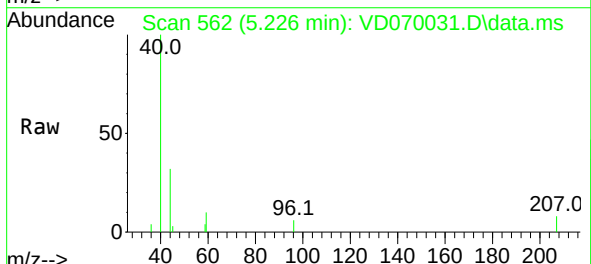
Instrument :
MSVOA_D
ClientSampled :

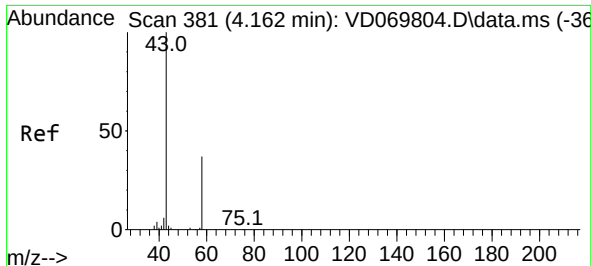
Tgt Ion:142 Resp: 1236
Ion Ratio Lower Upper
142 100
127 12.7 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.013 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

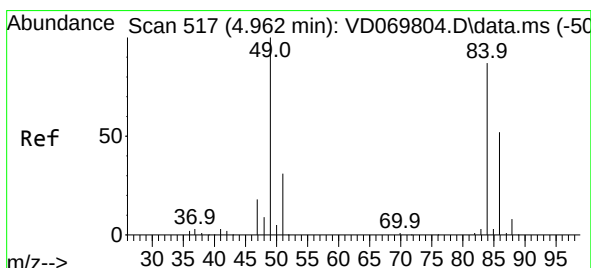
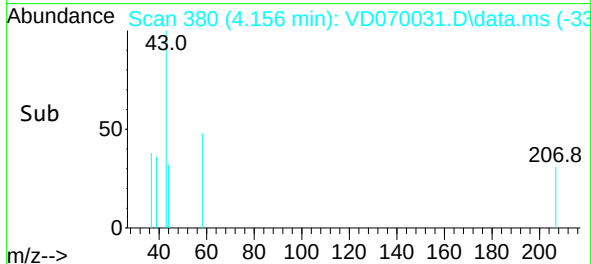
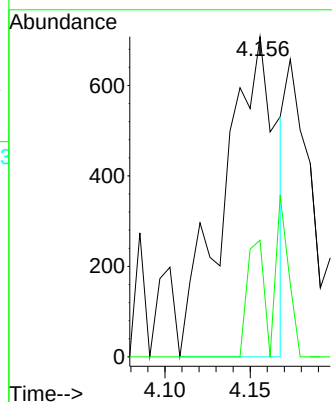
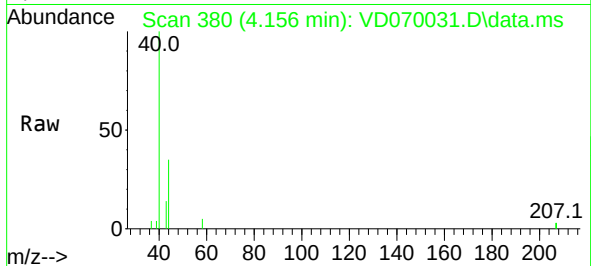




#16
Acetone
Concen: 1.022 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

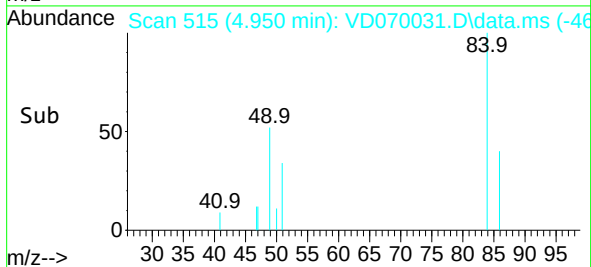
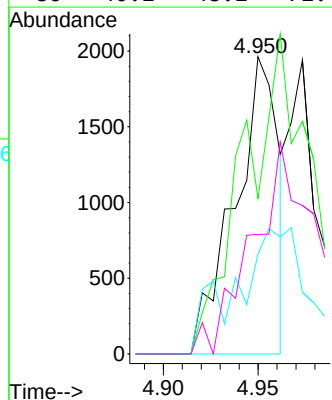
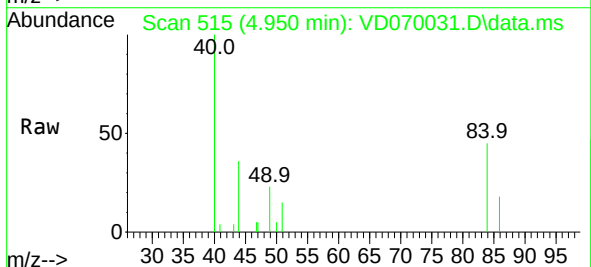
Instrument :
MSVOA_D
ClientSampleId :

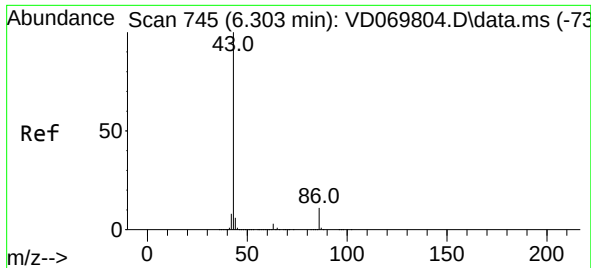
Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 84 Resp: 3132
Ion Ratio Lower Upper
84 100
49 52.4 92.4 138.6#
51 33.7 28.5 42.7
86 40.2 48.2 72.4#

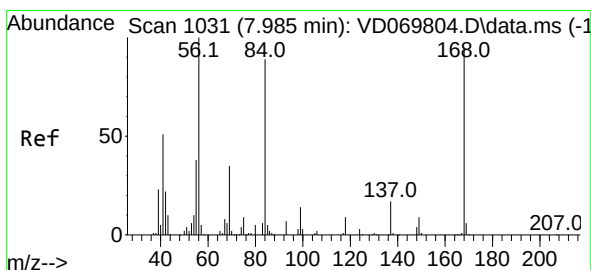
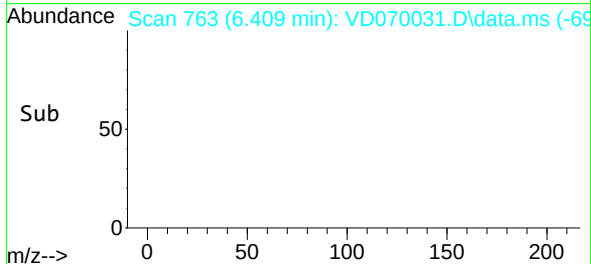
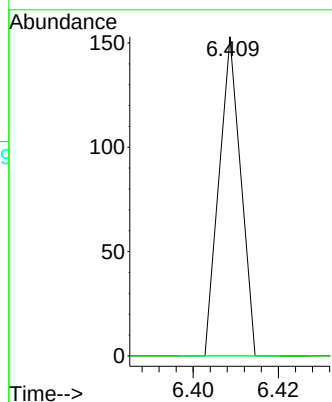
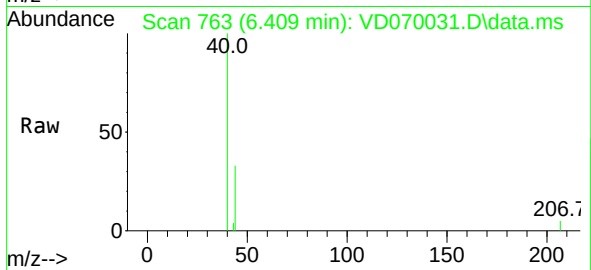




#23
 Vinyl Acetate
 Concen: 20.353 ug/l
 RT: 6.409 min Scan# 763
 Delta R.T. 0.106 min
 Lab File: VD070031.D
 Acq: 11 Aug 2021 18:57

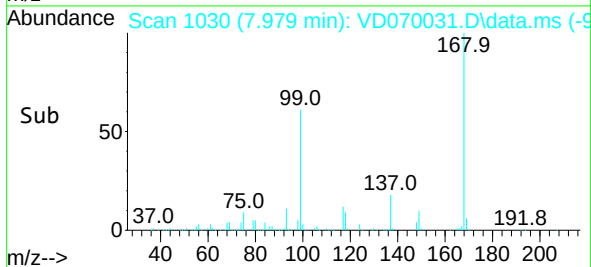
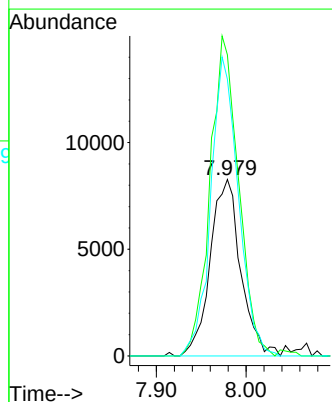
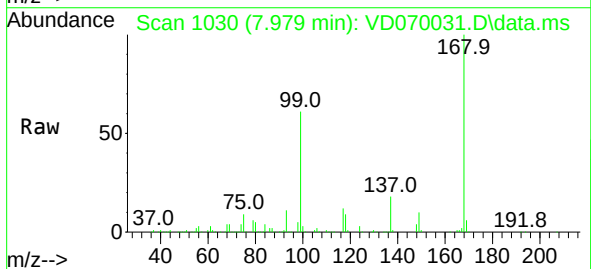
Instrument :
 MSVOA_D
 ClientSampled :

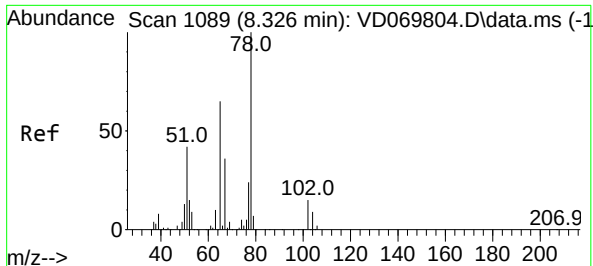
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.227 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD070031.D
 Acq: 11 Aug 2021 18:57

Tgt Ion: 56 Resp: 19530
 Ion Ratio Lower Upper
 56 100
 69 170.6 27.9 41.9#
 84 156.8 71.4 107.2#

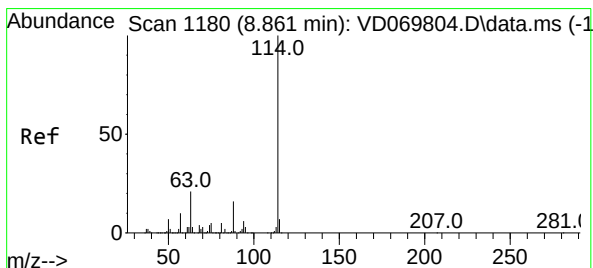
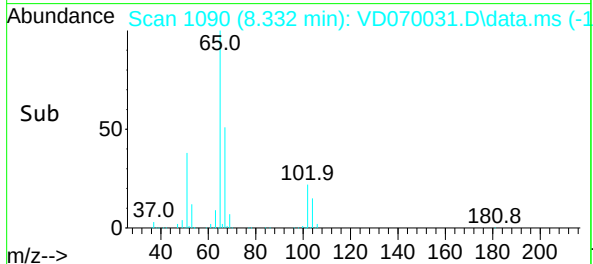
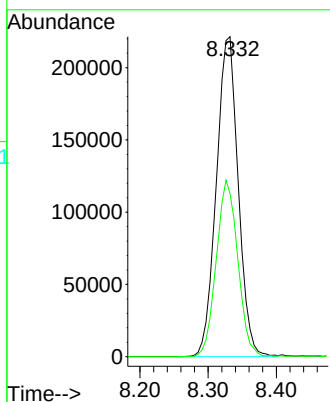
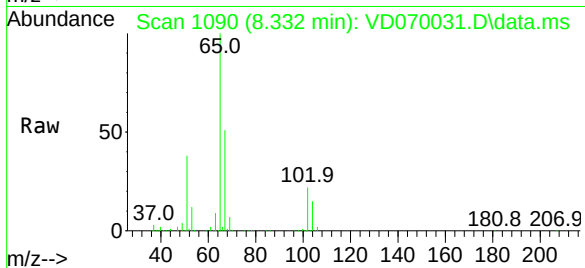




#33
1,2-Dichloroethane-d4
Concen: 60.793 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

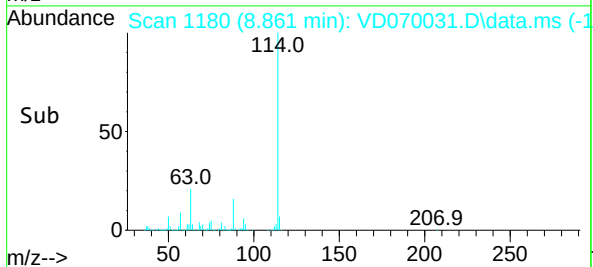
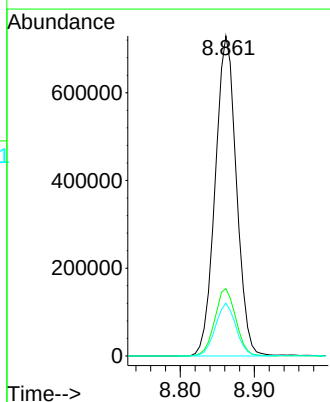
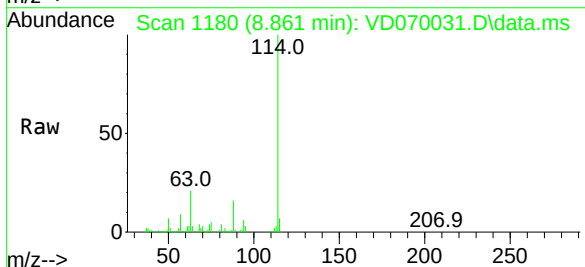
Instrument :
MSVOA_D
ClientSampled :

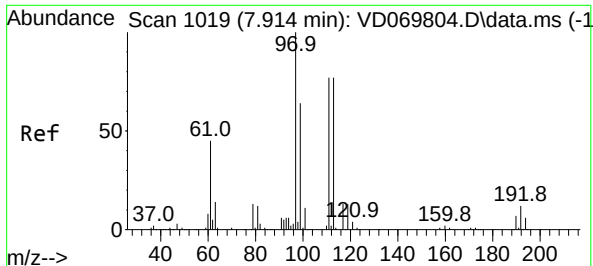
Tgt Ion: 65 Resp: 495362
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 114 Resp: 1448406
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.201 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070031.D

Acq: 11 Aug 2021 18:57

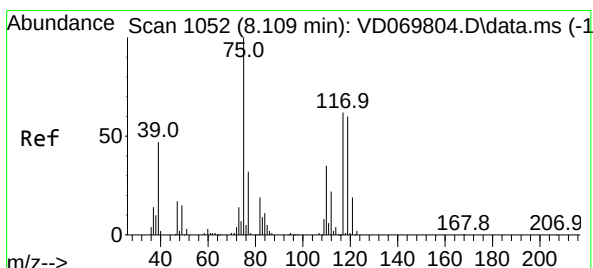
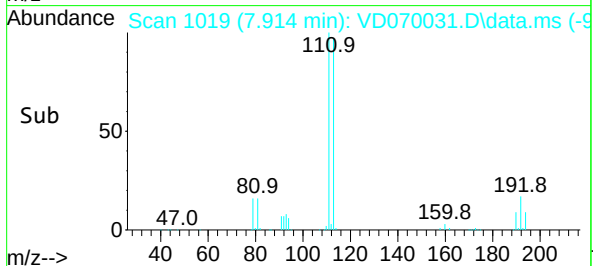
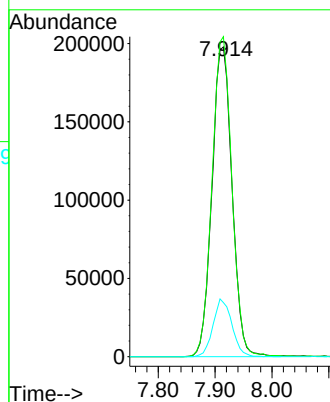
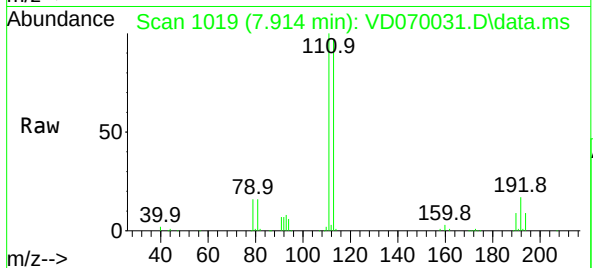
Tgt Ion:113 Resp: 485764

Ion Ratio Lower Upper

113 100

111 102.1 80.5 120.7

192 17.5 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.092 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070031.D

Acq: 11 Aug 2021 18:57

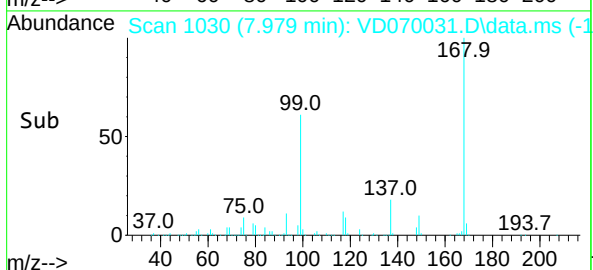
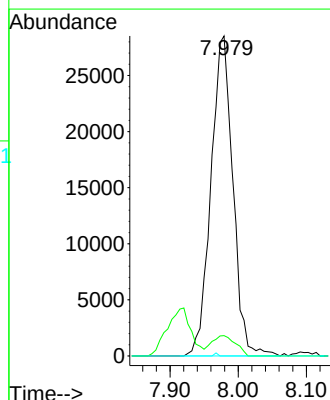
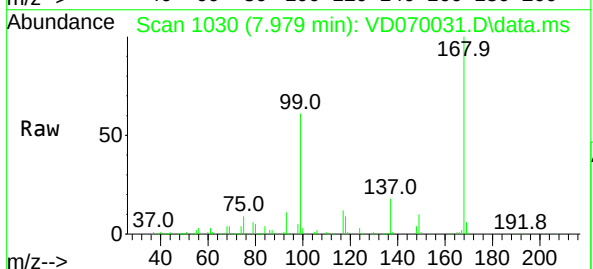
Tgt Ion: 75 Resp: 63953

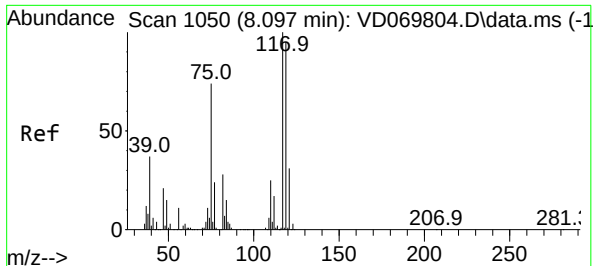
Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.7#

77 0.1 24.9 37.3#



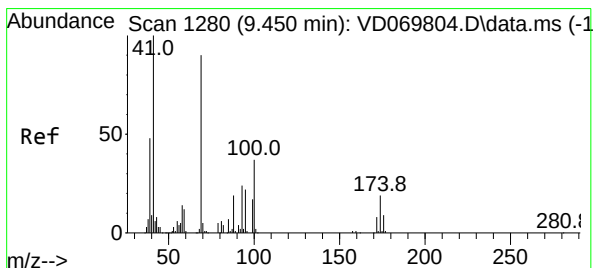
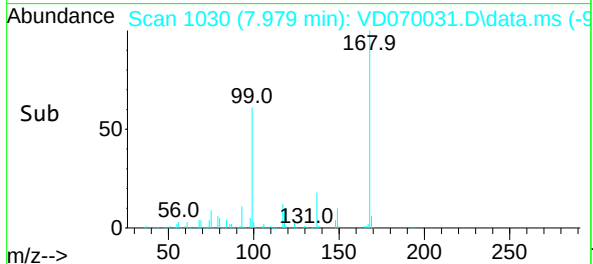
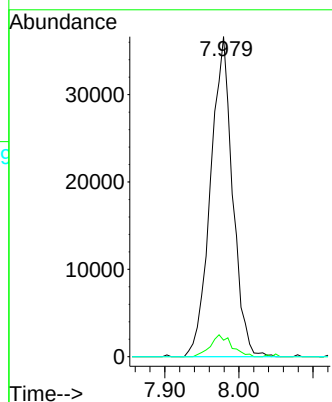
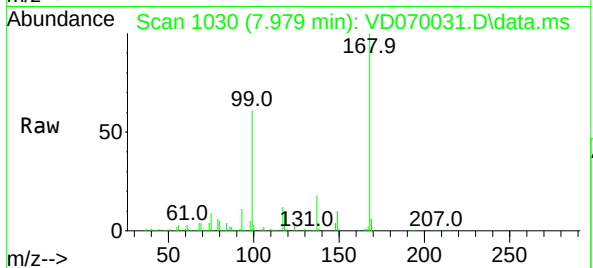


#38

Carbon Tetrachloride
Concen: 5.302 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :

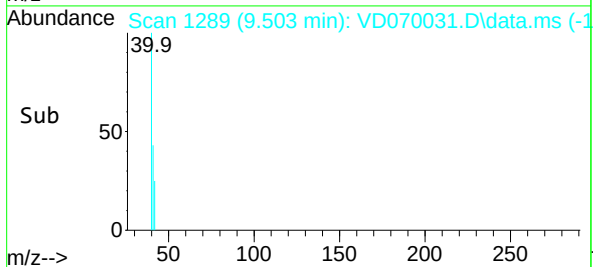
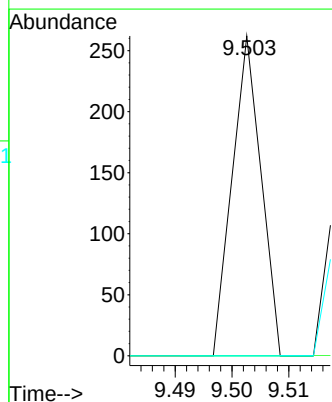
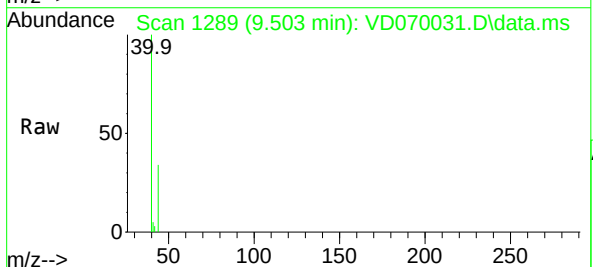
Tgt Ion:117 Resp: 75698
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.5 36.7#

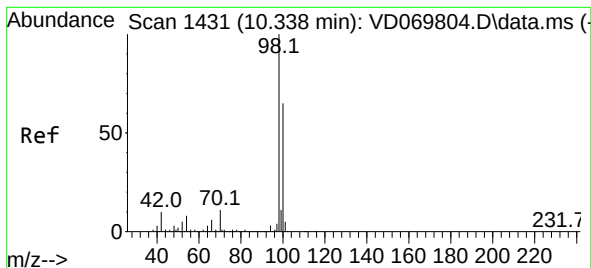


#48

Methyl methacrylate
Concen: 2.763 ug/l
RT: 9.503 min Scan# 1289
Delta R.T. 0.053 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 41 Resp: 92
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

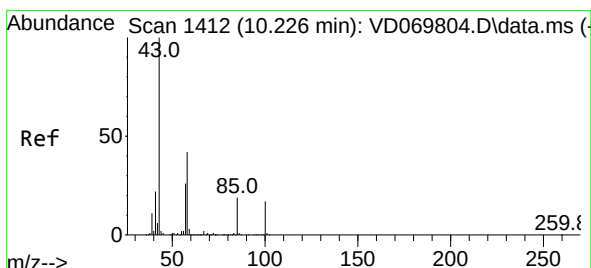
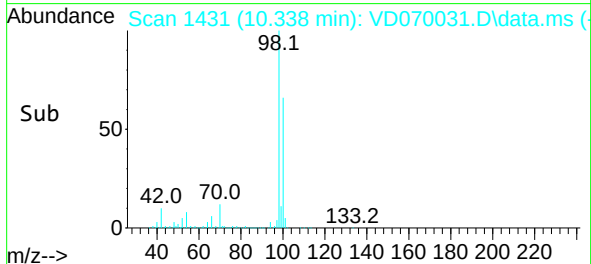
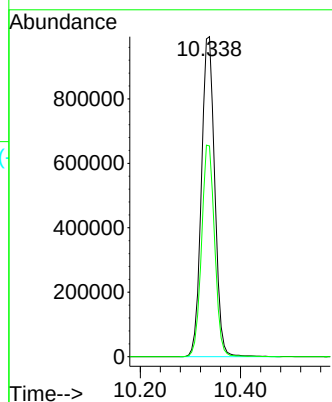
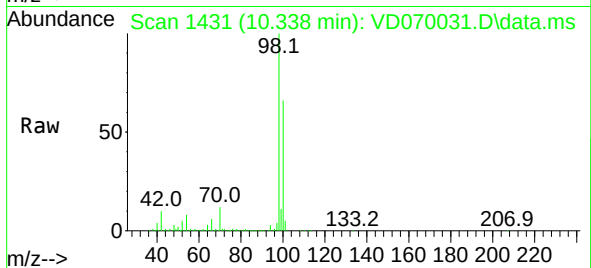




#50
Toluene-d8
Concen: 51.943 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

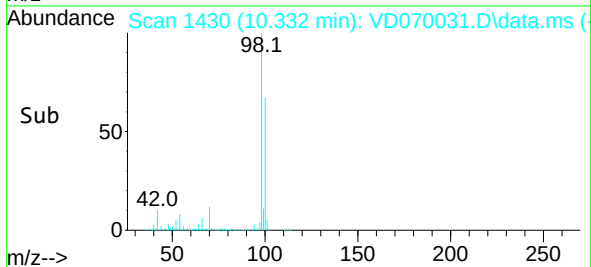
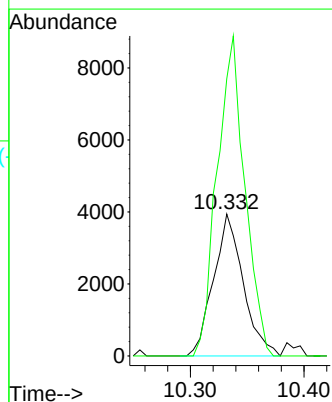
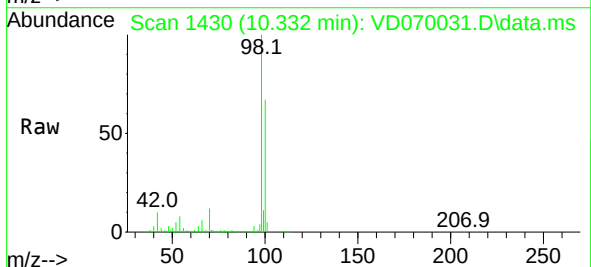
Instrument :
MSVOA_D
ClientSampled :

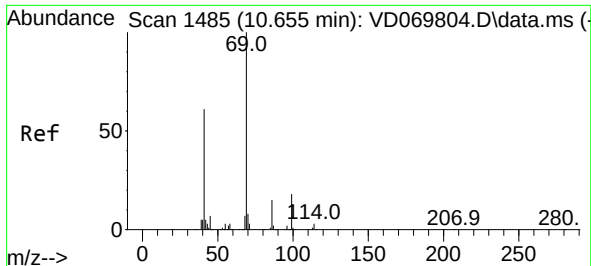
Tgt Ion: 98 Resp: 1828783
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.348 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 43 Resp: 7160
Ion Ratio Lower Upper
43 100
58 210.9 33.7 50.5#

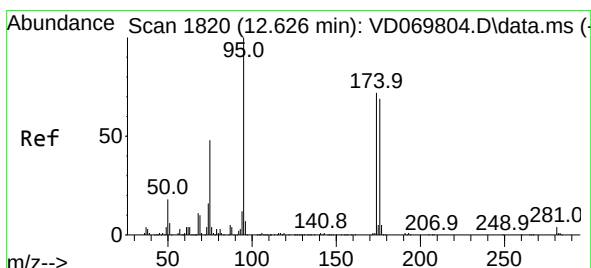
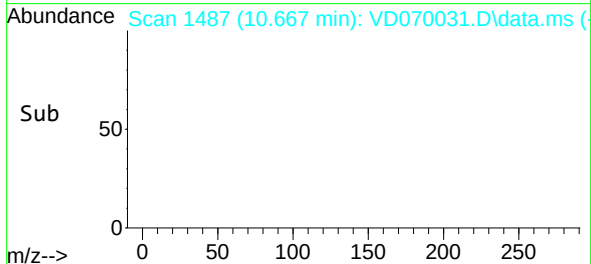
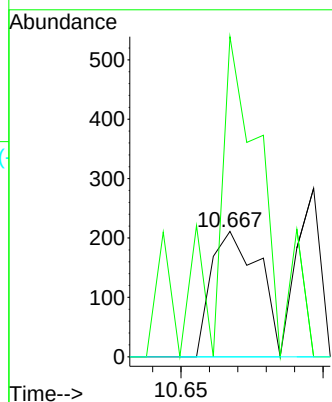
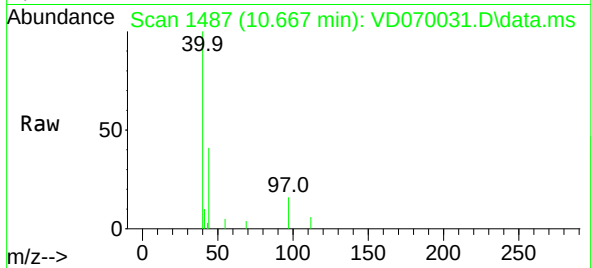




#56
Ethyl methacrylate
Concen: 3.918 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

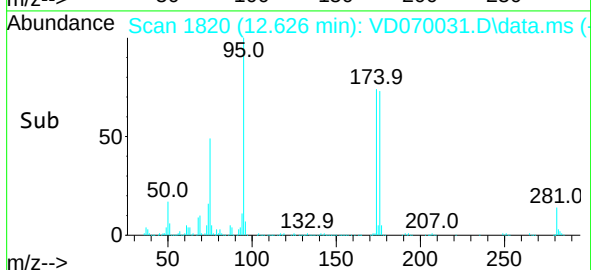
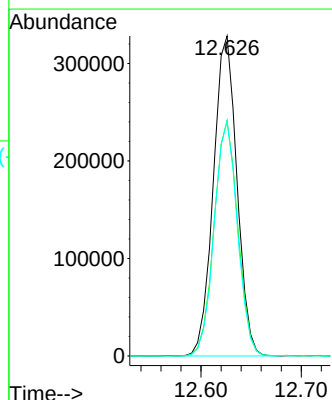
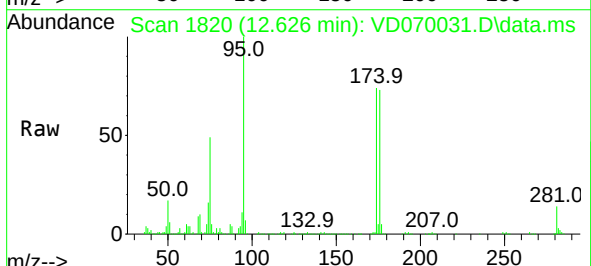
Instrument :
MSVOA_D
ClientSampled :

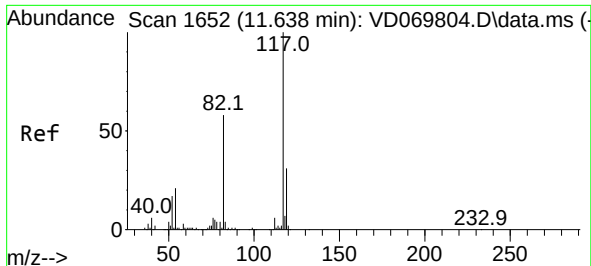
Tgt Ion: 69 Resp: 247
Ion Ratio Lower Upper
69 100
41 244.1 50.2 75.2#
39 0.0 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 45.533 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 95 Resp: 535769
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.6
176 72.2 0.0 134.2

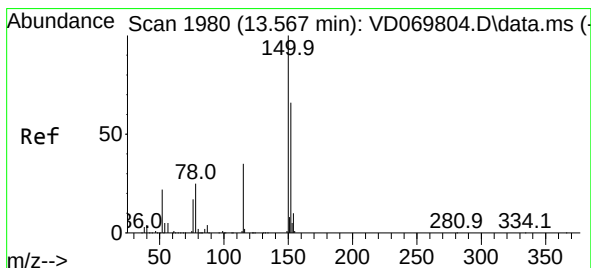
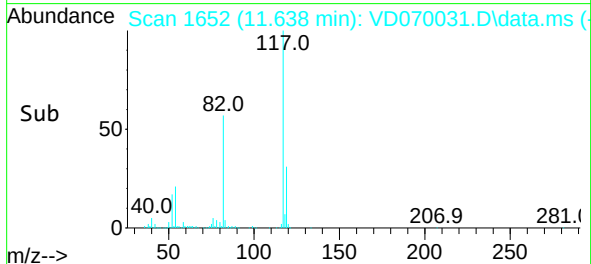
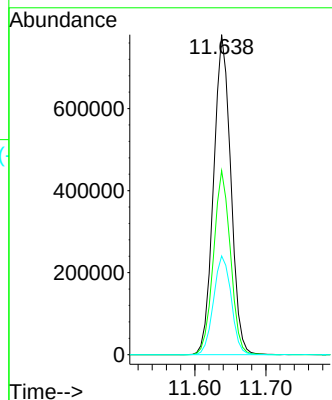
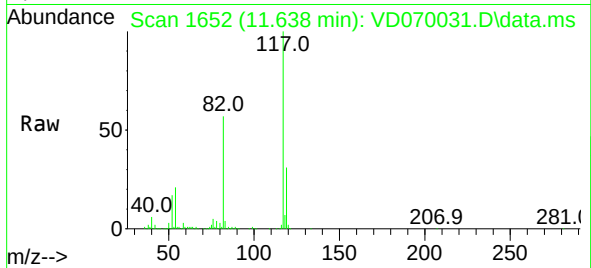




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

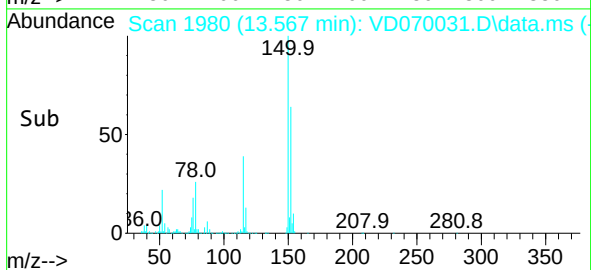
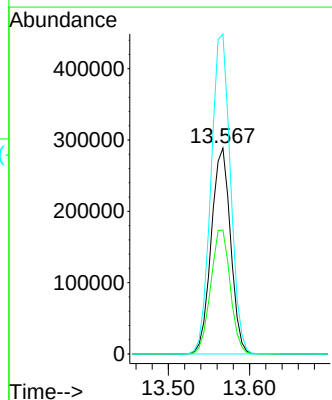
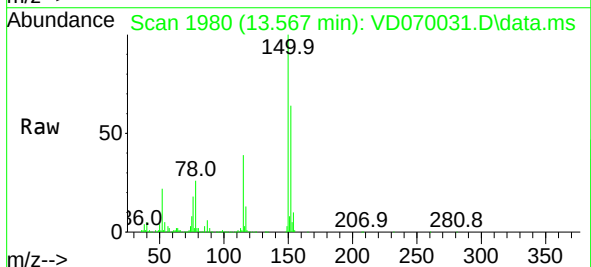
Instrument :
MSVOA_D
ClientSampleId :

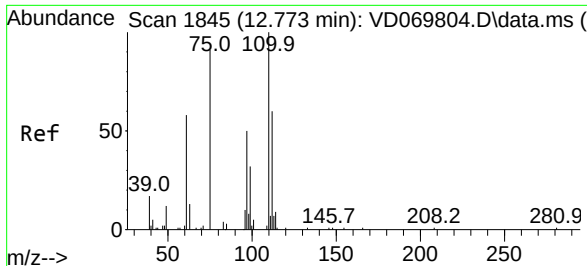
Tgt Ion:117 Resp: 1309649
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 30.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion:152 Resp: 477299
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.3
150 156.5 0.0 343.0

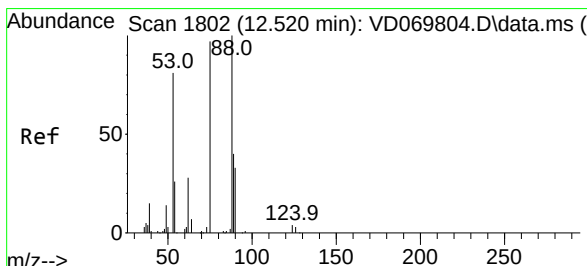
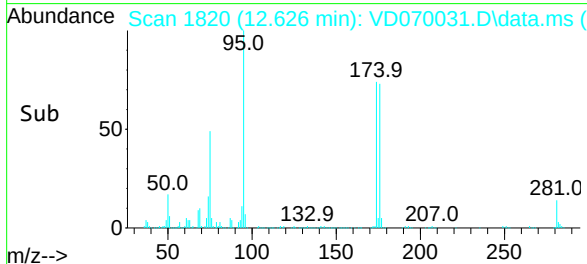
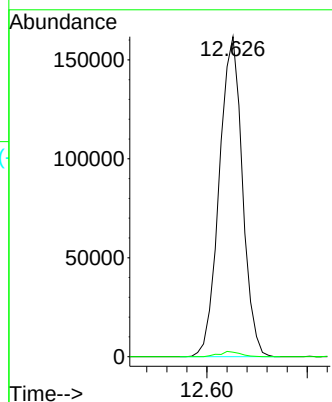
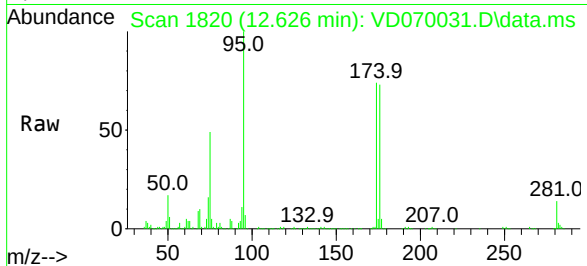




#76
1,2,3-Trichloropropane
Concen: 51.076 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

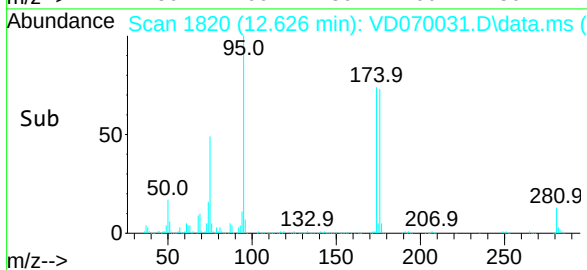
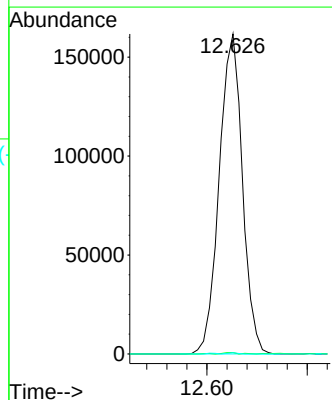
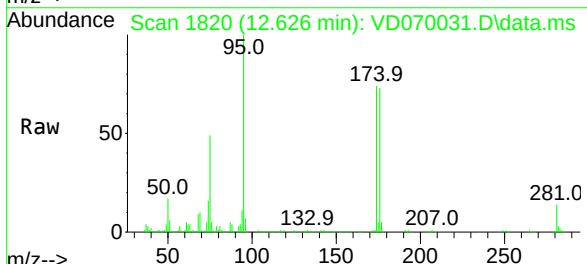
Instrument :
MSVOA_D
ClientSampleId :

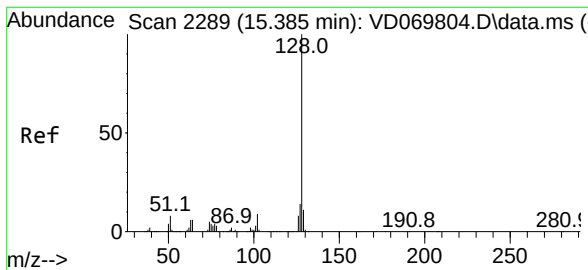
Tgt Ion: 75 Resp: 259127
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.952 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Tgt Ion: 75 Resp: 259127
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.2 35.8 53.6#





#95
Naphthalene
Concen: 5.043 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070031.D
Acq: 11 Aug 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 769
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

